



Electronic Submission of Medical Documentation (esMD)

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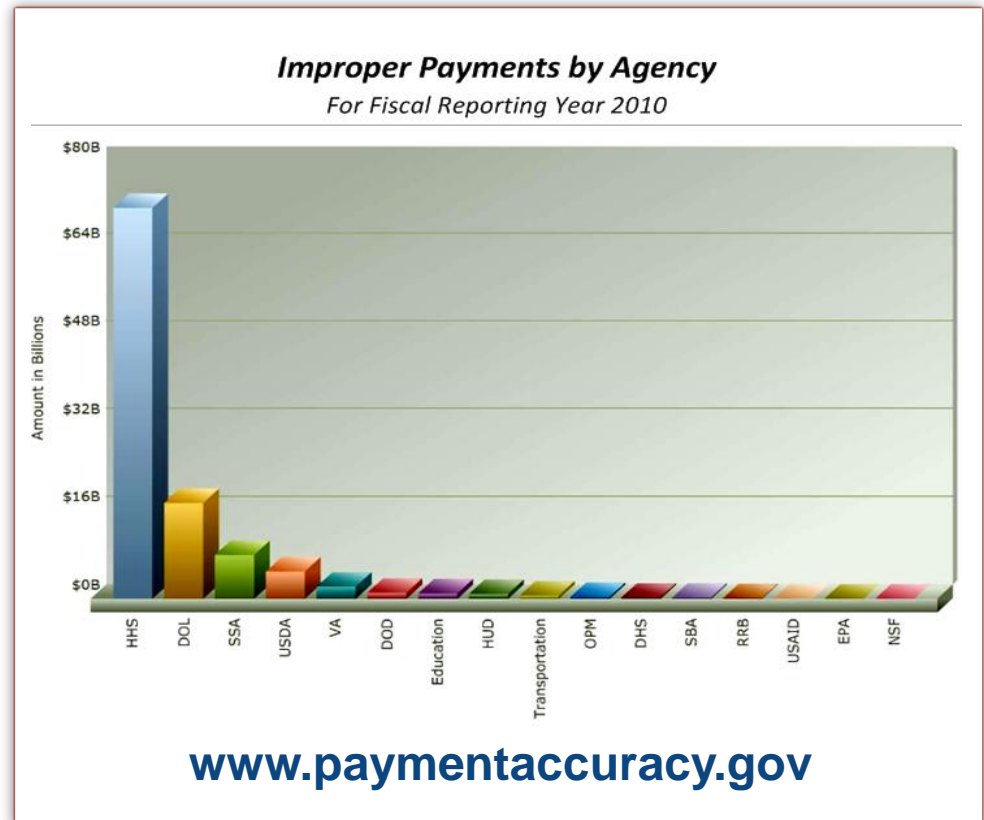
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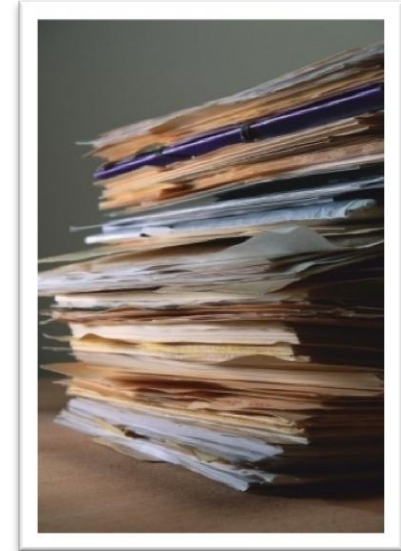
Improper Payments

- Medicare receives **4.8 M** claims per day.
- CMS' Office of Financial Management estimates that each year
 - the Medicare FFS program issues more than **\$34.3 B** in improper payments.
 - the Medicaid FFS program issues more than **\$22.5 B** in improper payments.
- Most improper payments can only be detected by a **human** comparing:
 - a **claim** to
 - the **medical documentation**.

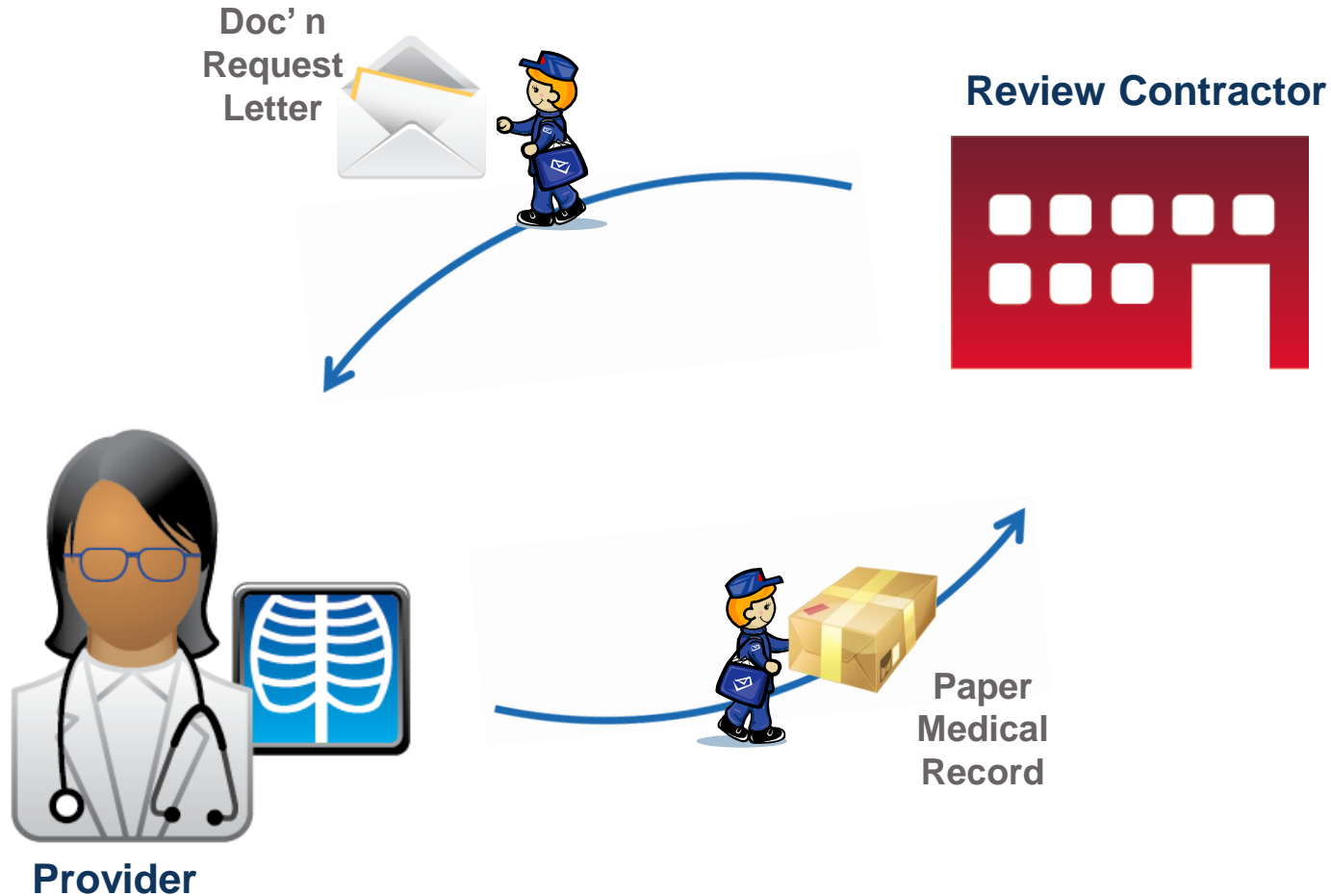


Background Facts about Medical Documentation Requests

- **Medical Documentation Requests are sent by:**
 - Medicare Administrative Contractors (MACs)
 - Comprehensive Error Rate Testing Contractor (CERT)
 - Payment Error Rate Measurement Contractor (PERM)
 - Medicare Recovery Auditors
- Claim reviewer contractors issue over **2 million** requests for medical documentation each year.
- Claim review contractors currently receive most medical documentation in **paper** form or via fax.
- Claim review contractors currently receive a tiny number of imaged documents in **CD/DVD** form.

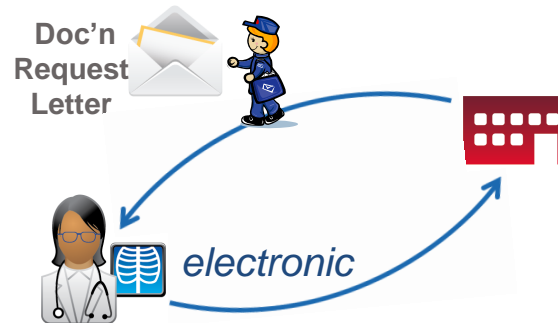


Today's Medical Documentation Process

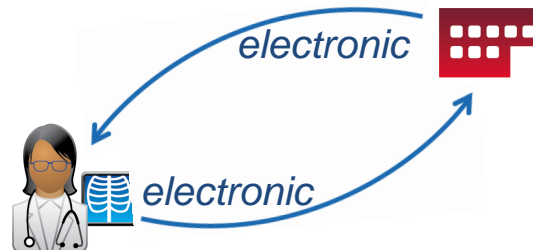


The Solution: Electronic Submission of Medical Documentation (esMD)

Phase 1:



Phase 2:



esMD is NOT mandatory

CMS recognizes that not all providers are adopting HIT solutions at the same pace.

HIT Adoption Rate

Late Adopter

- Still using paper records
- Intends to rely on fax machines, USPS, FedEx, etc for the for the next 10 years

Average Adopter

- Using imaged & electronic records
- Will wait to see which esMD Service Providers emerge in their area (and at what price)

Early Adopter

- Has used EHRs for years
- Ready for esMD now!

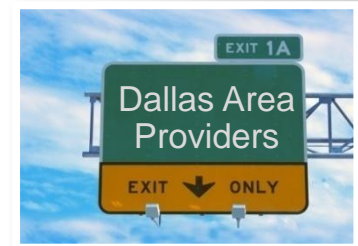
The Nationwide Health Information Network

- is a set of **standards, protocols, legal agreements, and specifications** that a consortium of health information organizations have agreed are necessary for **secure and private** exchange of health information over the public internet.
- is overseen by the Office of the National Coordinator for Health IT (ONC)
- is comprised of two parts:
 - **Direct** – designed for an individual to individual submission of health information <http://wiki.directproject.org/>
 - ➡ • **Exchange** – designed for computer to computer exchange of health information
http://healthit.hhs.gov/portal/server.pt?open=512&objID=1407&parentname=CommunityPage&parentid=8&mode=2&in_hi_userid=11113&cached=true

Exchange Gateways

Like the interstate highway system, on-ramps and off-ramps are critical!

- On the Nationwide Health Information Network, on/off-ramps are called “gateways”.
- CMS will use **CONNECT** software when building its esMD gateway.



What is CONNECT?



- CONNECT is an open source software (gateway) developed by the Federal Health Architecture that enables electronic health information exchange using Nationwide Health Information Network specifications and standards.
- Any Nationwide Health Information Network-compliant gateway may be used to join the Exchange.
 - **CONNECT**
 - **Modified CONNECT**
 - **Home-grown gateway**

Most Providers Won't Build Their Own Gateway But Will Use an HIH to Provide Gateway Services

A Health Information Handler (HIH) is any company that handles health information on behalf of a provider. Examples include:

(1) **Health Information Exchange (HIE)/Regional Health Information Organization (RHIO)**

(2) **Release of Information (ROI) Vendor**

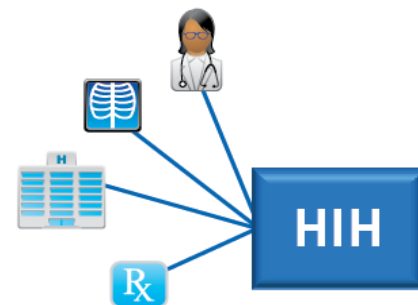
a company that manages the release of information for providers. Their services may include: logging and tracking the request, **retrieving** the patient record from multiple locations in multiple formats, Identifying the information needed to fulfill the request, requesting additional authorization, if needed, **copying**, packaging and mailing, and invoicing

(3) **Electronic Health Record (EHR) Vendor**

(4) **Claim Clearinghouse**

(5) **Health Internet Service Provider (HISP)**

An entity that provides services that enable providers or health organizations to exchange health information using the internet.



HIHs that plan to offer esMD services (starting in August 2011)



HIHs that may offer esMD services (starting October 2011)



<http://www.akira-tech.com>



<http://www.ecorpnet.com/>

IVERTEX

INTERNET SOLUTIONS

<http://www.ivertex.com>



<http://www.bactes.com/>



<http://www.greenwaymedical.com/>



<http://www.cobius.com>



<http://www.iodinc.com>



<http://www.proficienthealth.com>

Secure Exchange SOLUTIONS



<http://www.secureexsolutions.com>

Subcontractors used by some esMD HIHs



<http://www.cerner.com/>



<http://www.apenimed.com/>



<http://www.coriendo.com/>

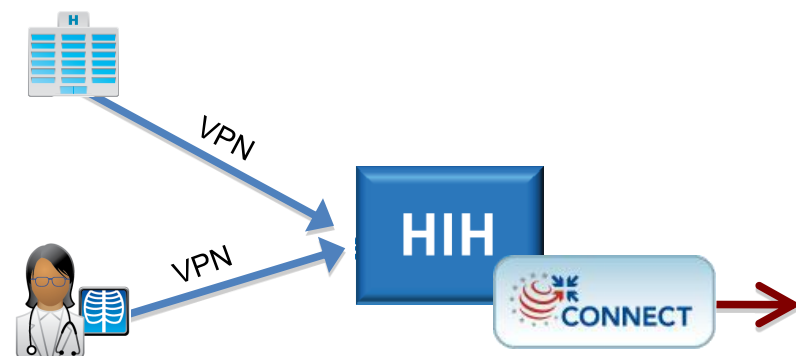


<http://www.globalci.com/>

CMS Does Not Dictate How an HHI Communicates with Providers

➤ Some esMD HHIs plan to ingest a provider's medical records and metadata by:

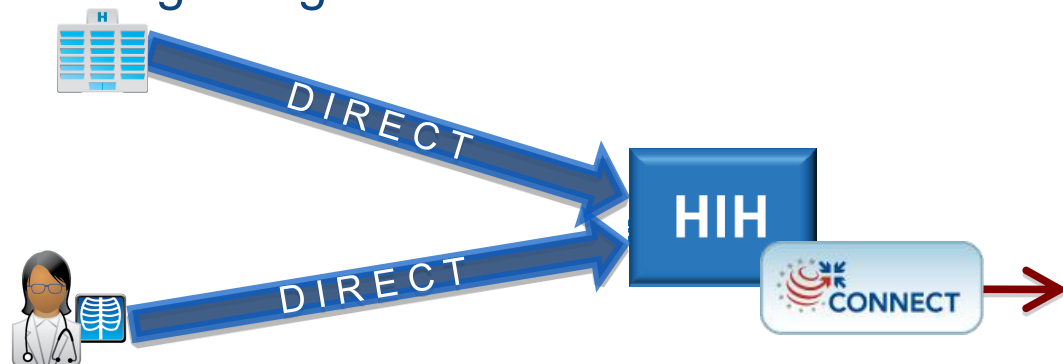
- going onsite to the provider's facility
- using a Virtual Private Network (VPN)
- using a secure web portal



➤ Some esMD HHIs are considering using DIRECT

<http://directproject.org>

<http://wiki.directproject.org>



esMD HIHs:

- Get no funding from CMS or ONC
- Attend calls with CMS (bi-weekly)
- Build a CONNECT-Compatible Gateway
- Obtain a certificate, IP address, and share key with CMS Gateway Contractor
- Test with CMS Gateway Contractor
- Recruit providers to join
- “On-Board” to the Nationwide Health Information Network (April 2013)
 - Sign Legal agreements (DURSAAs)
 - Test with ONC Gateway Team

What is an Nationwide Health Information Network Participant?

ONC's Definition Today

A Nationwide Health Information Network Participant is **a federal agency or federal contractor** that has successfully completed the “on-boarding” process.

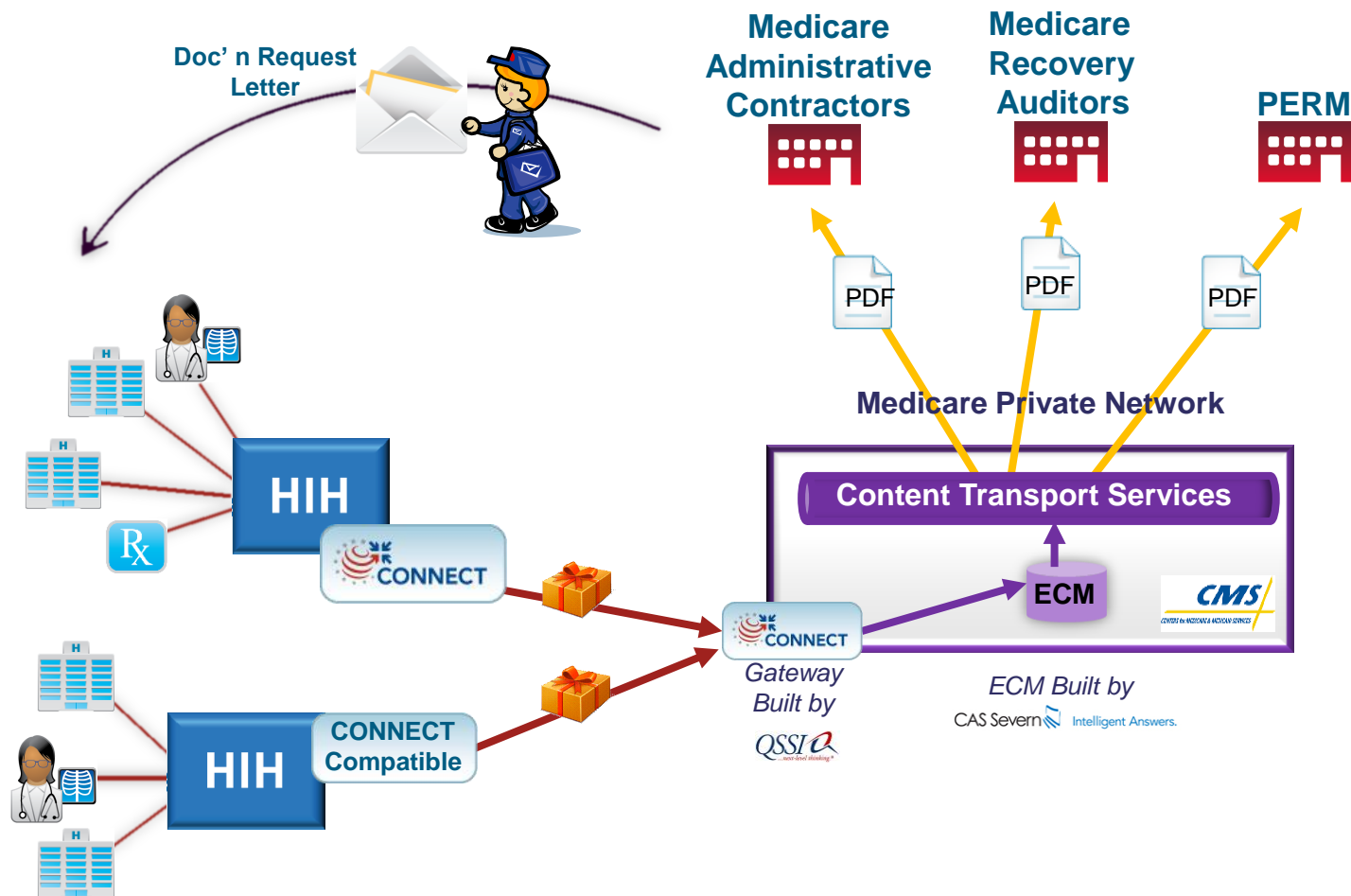


ONC's Definition Starting April 2013

A Nationwide Health Information Network Participant is **any organization** that has successfully completed the “on-boarding” process.



esMD Phase 1 (pre NHIN)



Definition of an esMD Package



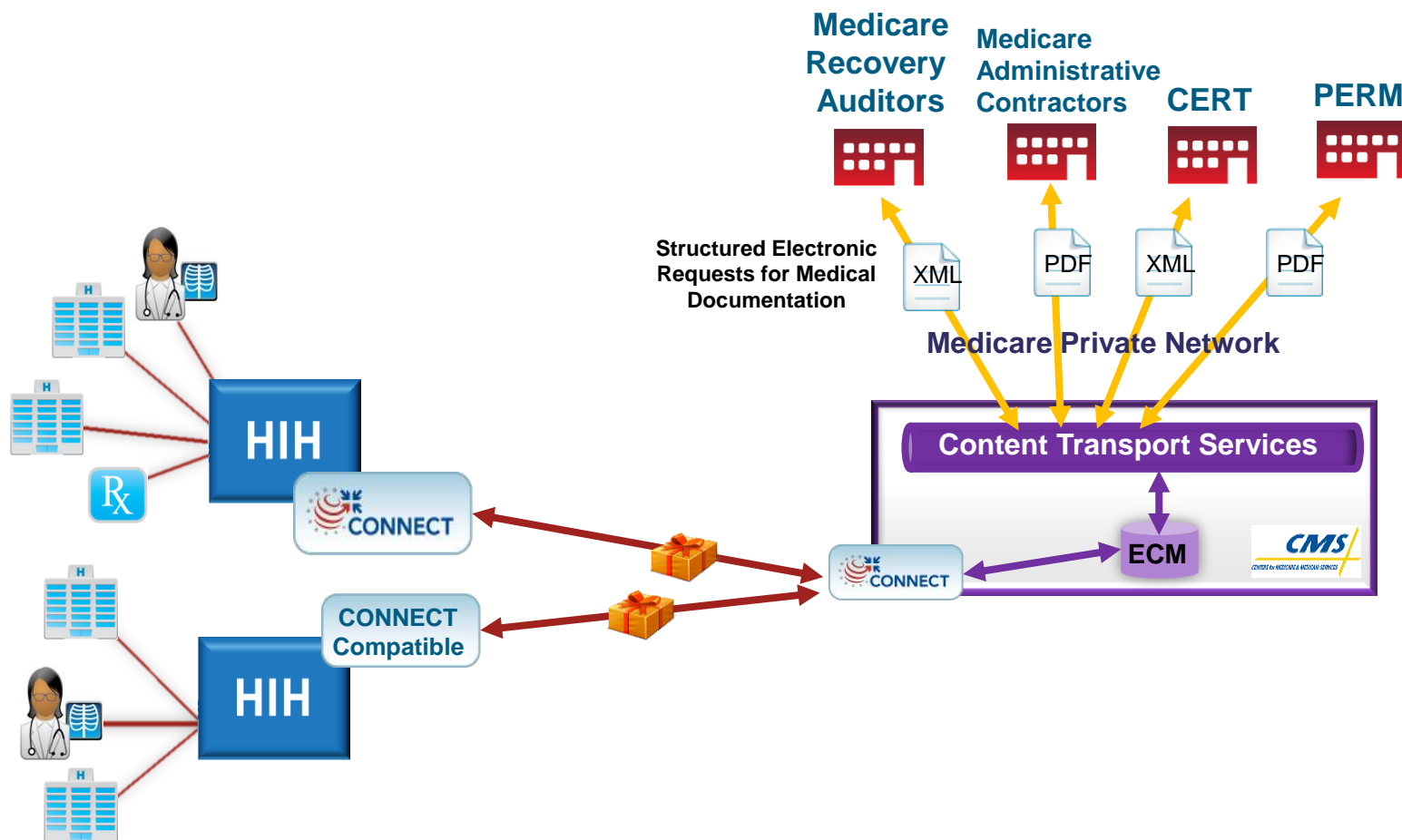
A portion of a patient's medical record in esMD format which will contain:

- Imaged documents (PDF)
- Important Metadata Fields:
 - Intended Recipient – Required Field
 - Claim ID – Required Field
 - NPI – Required Field
 - Case ID – Required If Known

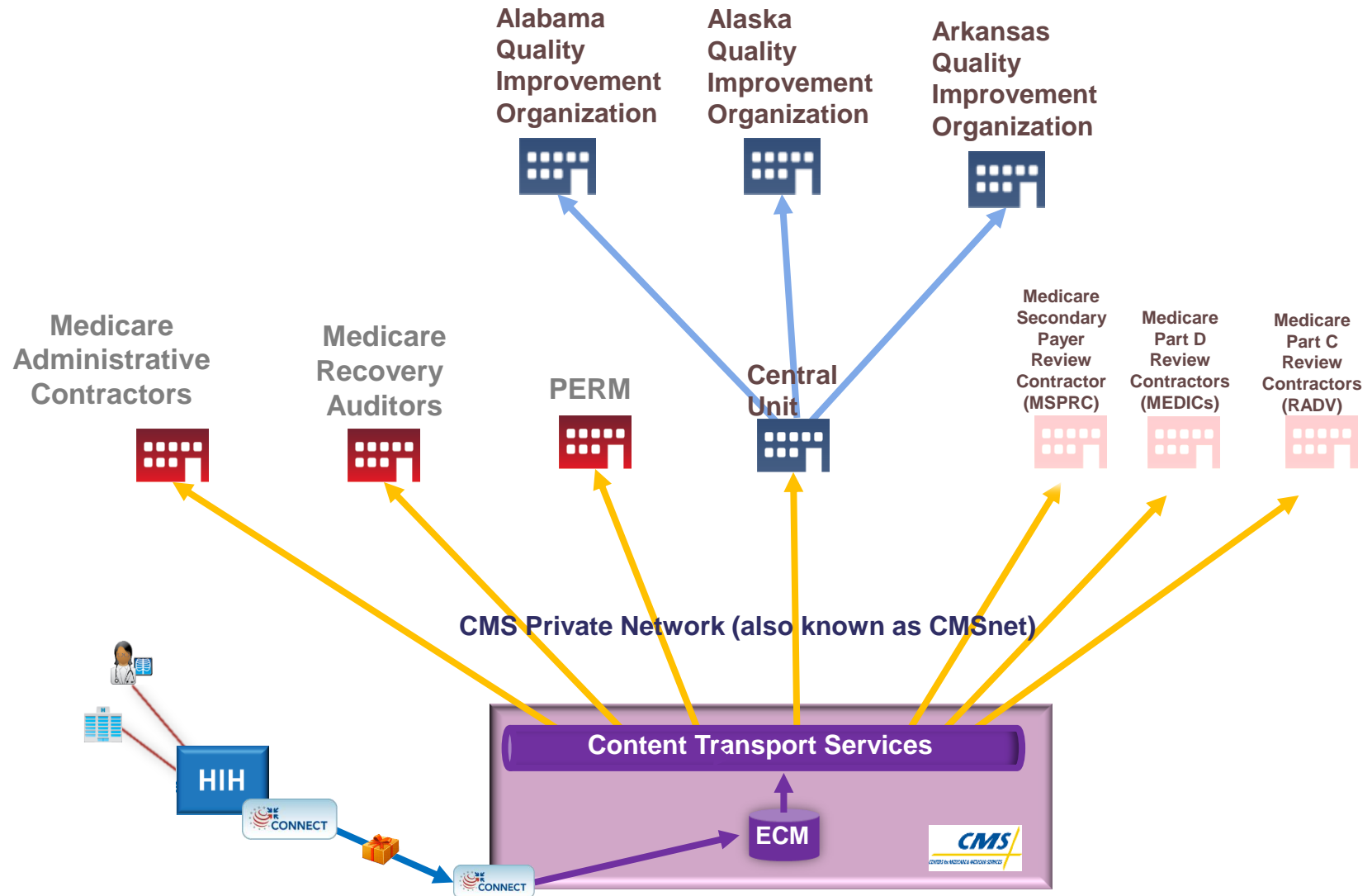
Detailed description for each field can be found in:

- the esMD XDR Profile (<http://www.connectopensource.org/product/connect-NHIN-specs>)
- the esMD Implementation Guide (www.cms.gov/esMD)

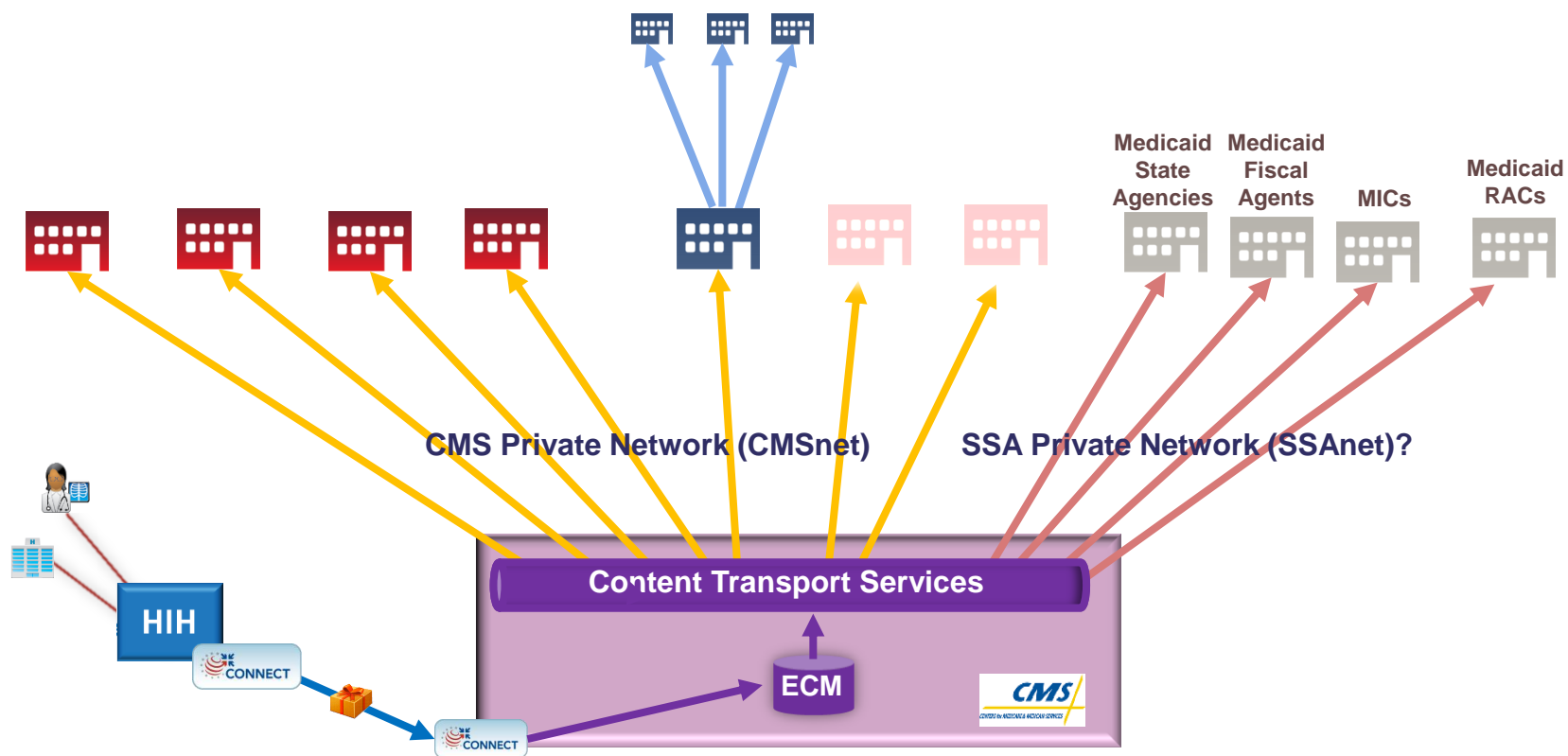
esMD Phase 2 (pre NHIN)



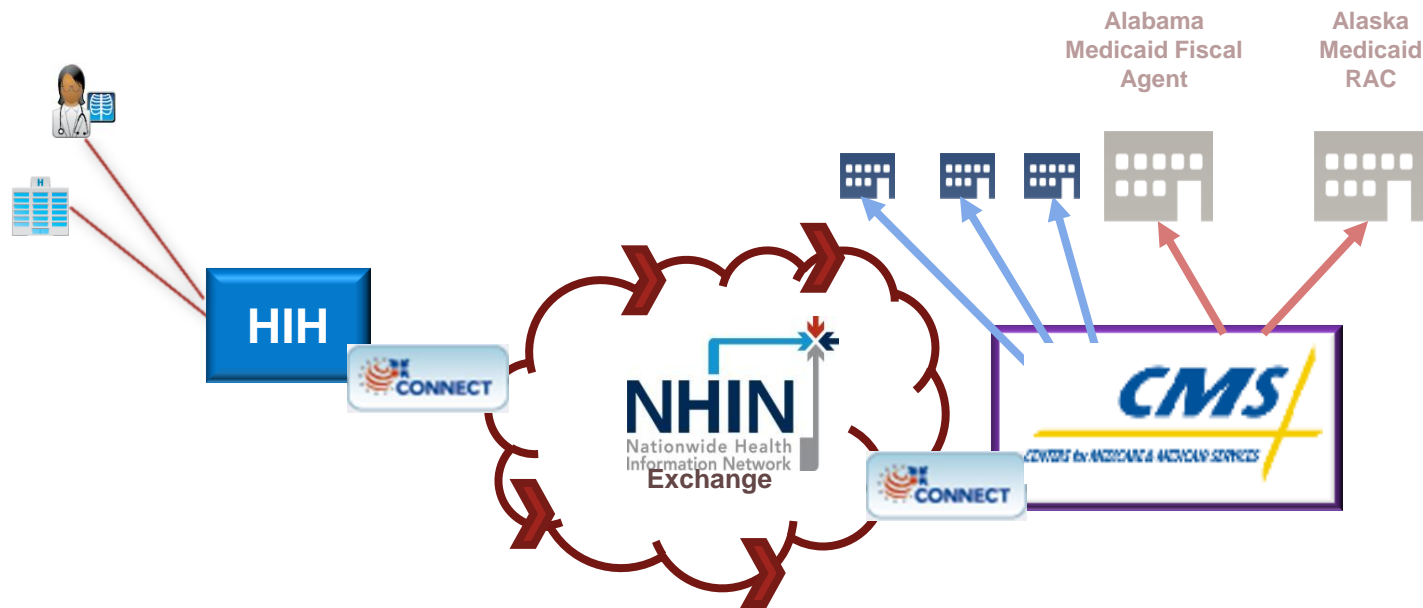
Expanding esMD to other Review Entities



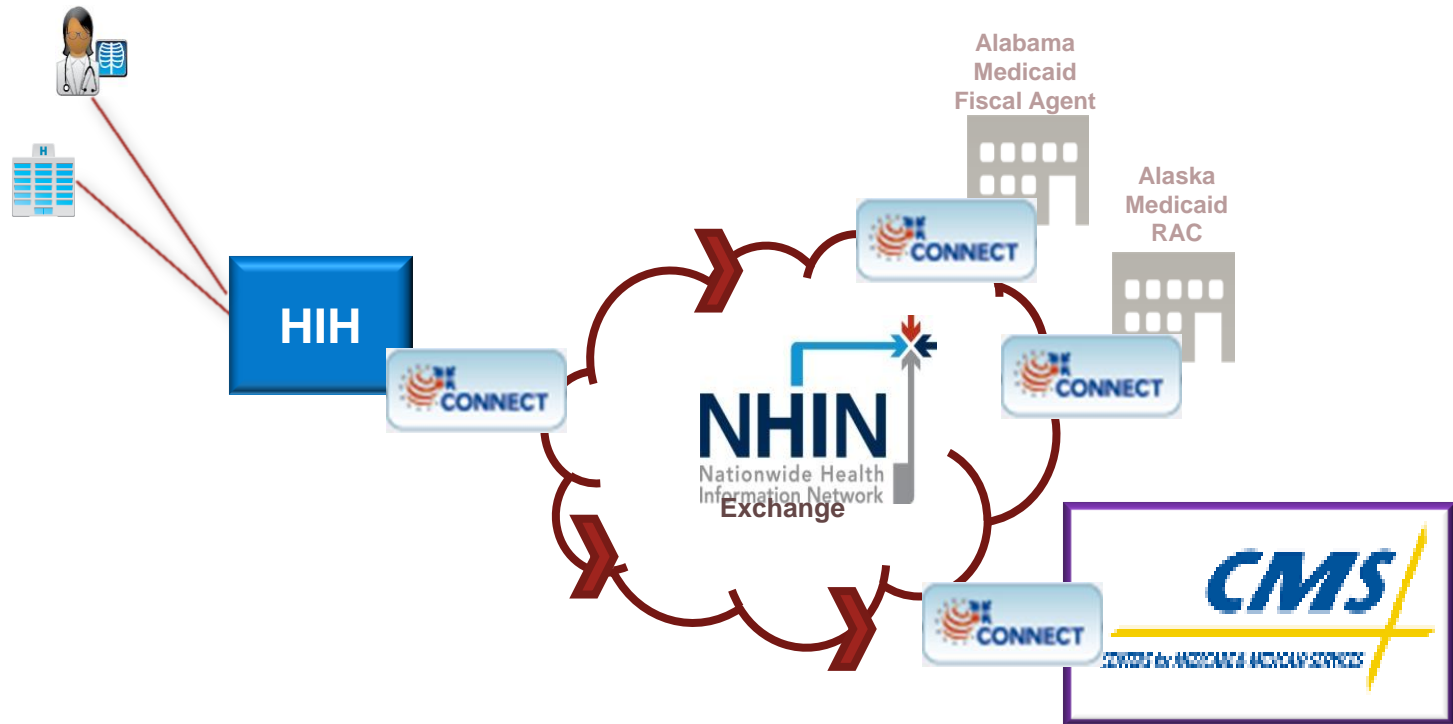
Could We Expand esMD to State Review Entities?



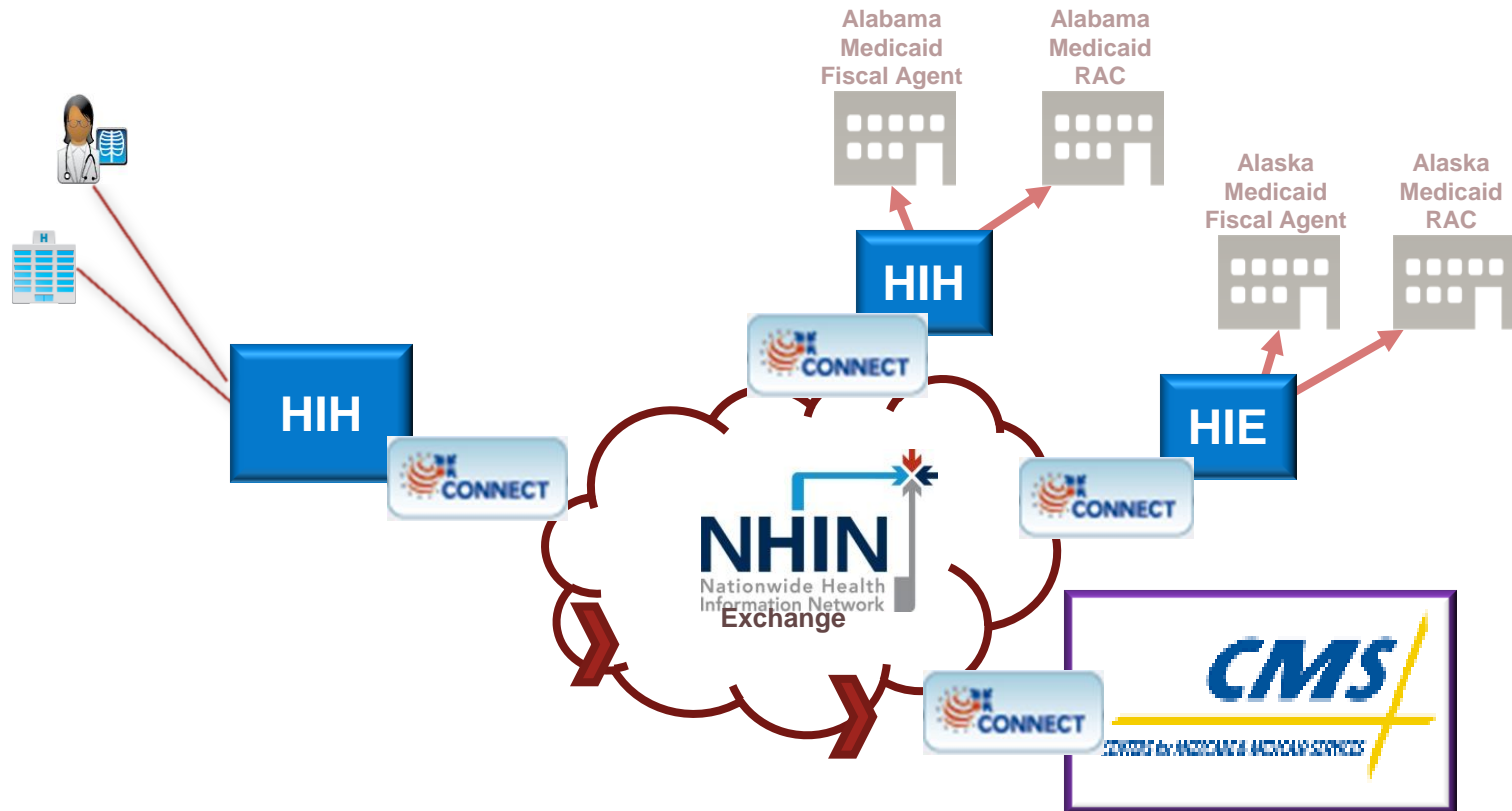
Option 1 for Medicaid Review Entities to Use the NHIN: Join esMD



Option 2 for Medicaid Review Entities to Use the NHIN: Build their own Gateway



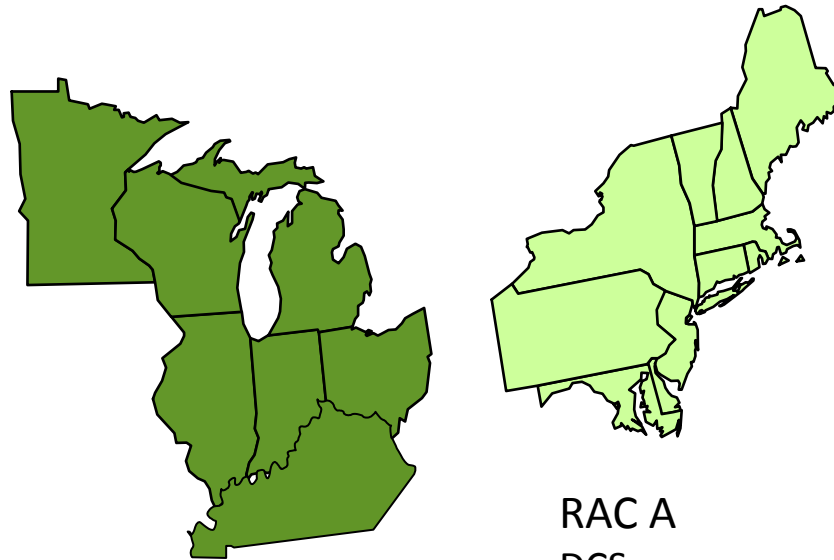
Option 3 for Medicaid Review Entities to Use the NHIN: Hire an HIH or Join an HIE



esMD Review Contractors:

- Participate voluntarily
- Are not funded by CMS or ONC
- Must have MDCN/MPLS connectivity
- Must obtain an OID and Authentication Token from CMS to connect to CTS
- Attend bi-monthly calls with CMS and the *ECM Team*
- Successfully test with the CMS ECM Team
- Required to fund an initial on-boarding fee of approximately \$55,000 - \$100,000 and an annual support fee of approximately \$35,000 - \$60,000

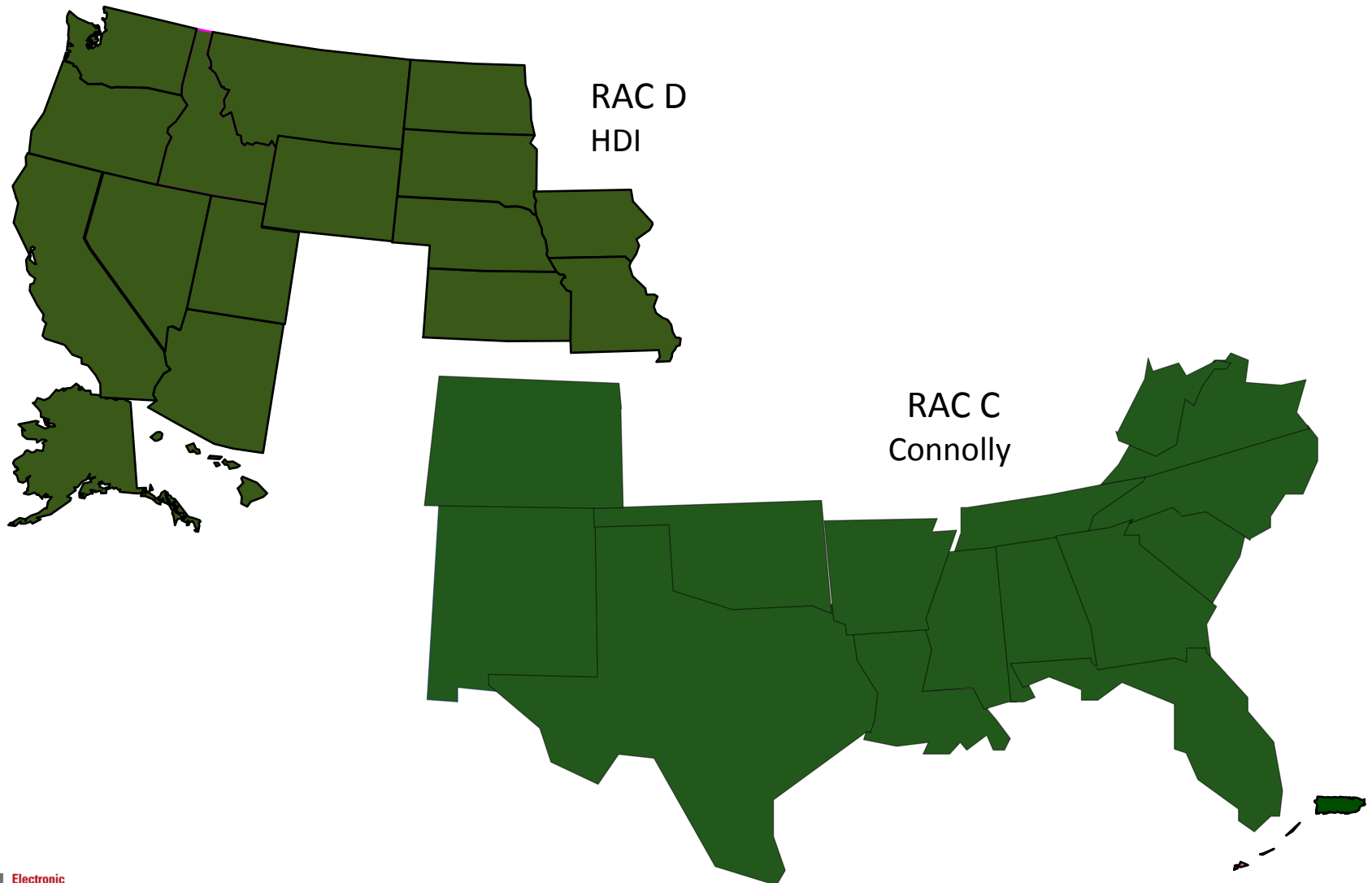
Medicare Recovery Auditors Accepting esMD in August 2011



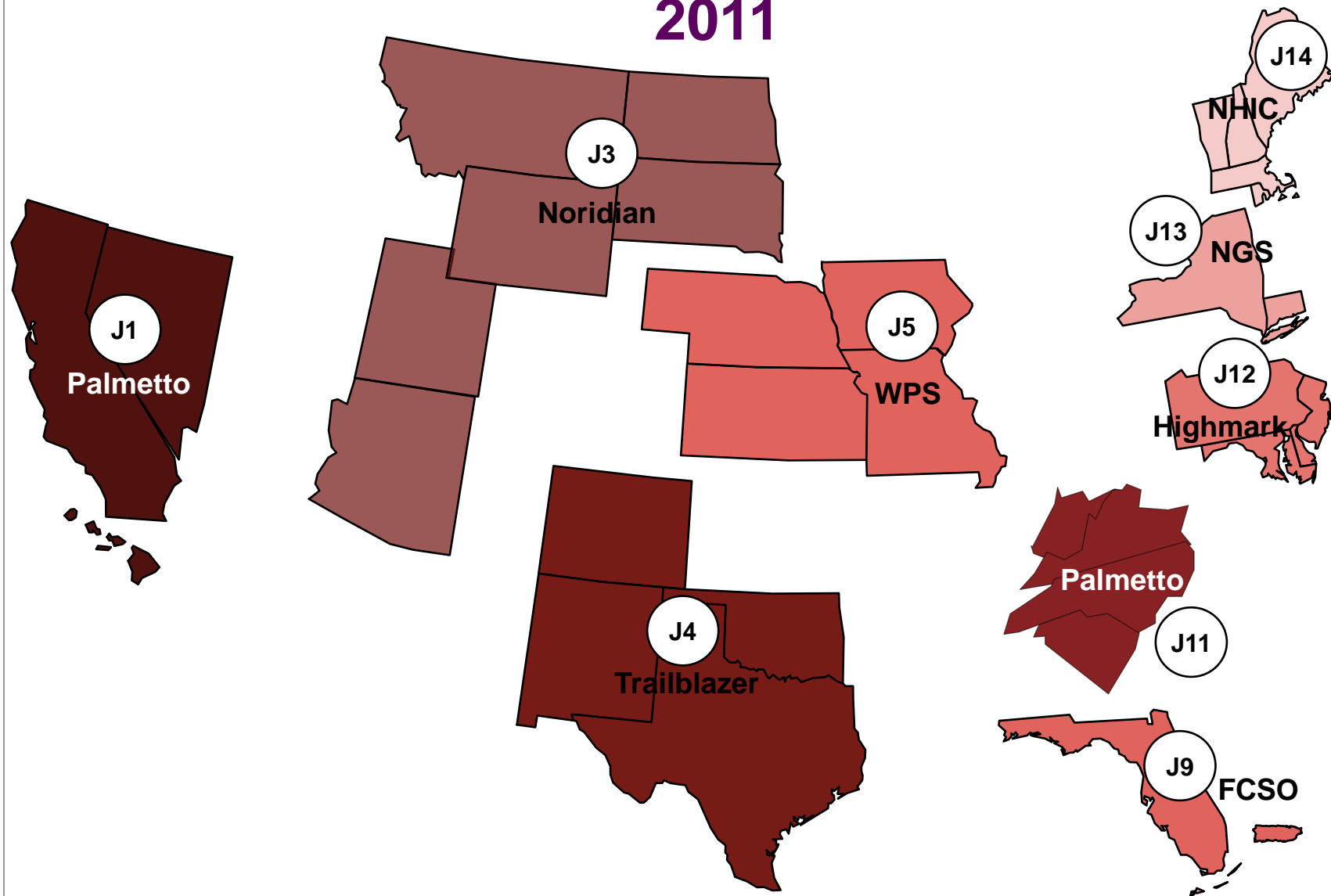
RAC B
CGI

RAC A
DCS

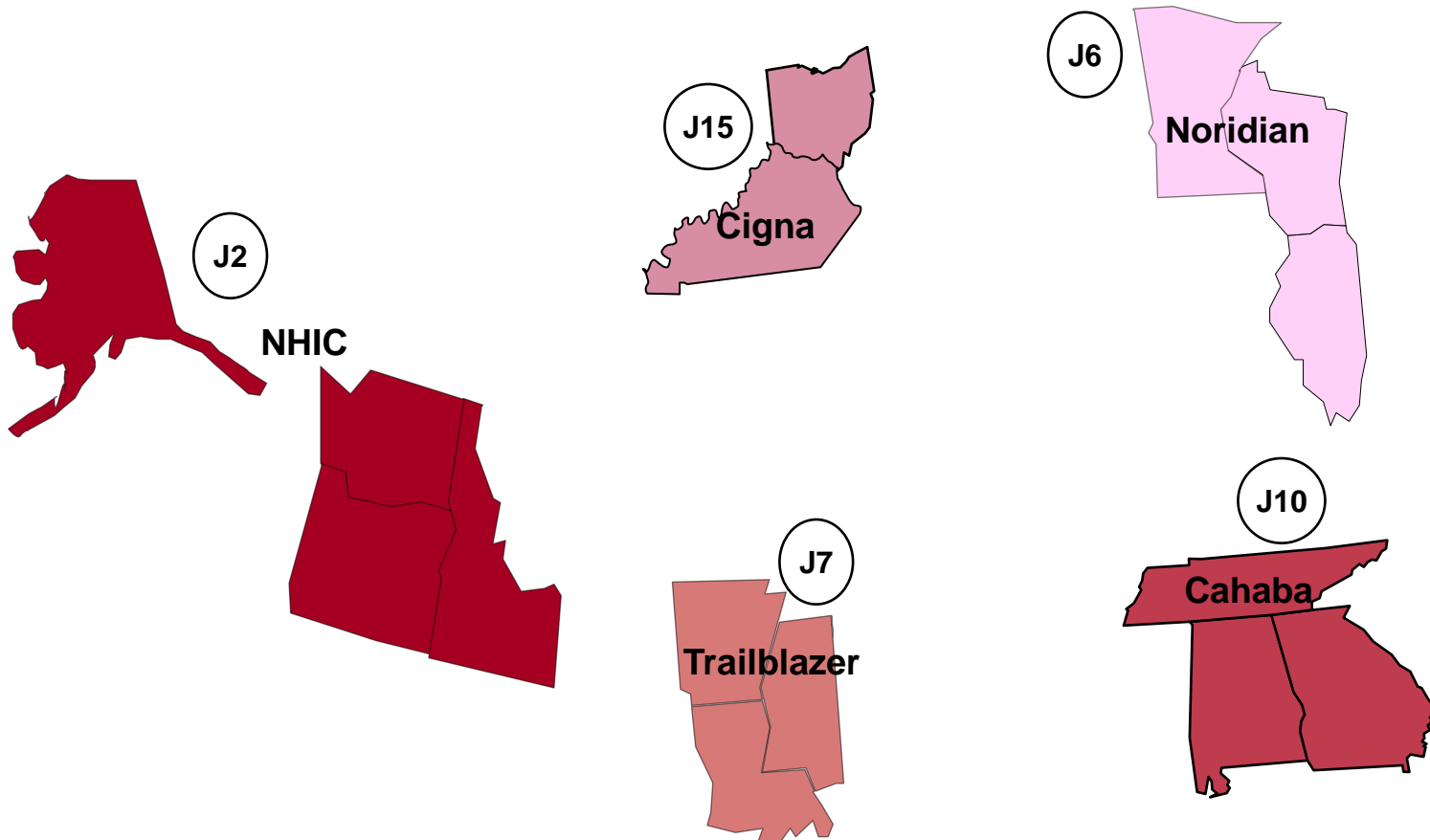
Medicare Recovery Auditors That May Accept esMD in October 2011



A/B MAC MR Units Accepting esMD in August 2011



A/B MAC MR Units Could Begin Accepting esMD in October 2011



Providers Submitting Via esMD

➤ In July 2011, we estimate:

- 336 Part A providers
- 749 Part B providers



➤ In December 2011, we estimate:

- 2396 Part A providers
- 25475 Part B providers



Want to Become an esMD HIH?

➤ Visit

<http://www.qssinc.com/esmd/index.html>

➤ Visit <http://www.cms.gov/esMD>

Want to be an esMD HIH but don't know how to build a gateway?

- Consider contacting the esMD HIHs
- Consider contacting one of the esMD HIH subcontractors
- Consider contacting one of the IT vendors listed on <http://www.connectopensource.org/partners>

For More Information

To contact anyone on the esMD Team (CMS, QSSI, CAS Severn):

esMDTeam@qssinc.com

CMS esMD Website:

www.cms.gov/esMD

CONNECT Website:

<http://www.connectopensource.org>

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Questions From the Audience

